

## Brunel SP1500 XP

The SP1500XP is the most versatile polarising microscope in the Brunel range. Made to an exacting standard and with a modern stand design the SP1500XP has a full polarising specification and is available in both transmitted and incident (ore) illumination. The SP1500A model is trinocular with transmitted illumination only, and the SP1500B has transmitted and incident illumination (ore configuration). Both have been designed for use in routine and university level teaching laboratories.

- Trinocular head with full interocular and dioptic adjustment, supplied complete with x10 widefield and crosshair eyepieces.
- There is a retractable analyser in the microscope head that is rotatable through 90, and the transmitted polariser is rotatable with a scale.
- Slide in Bertrand lens with lateral position adjusters to ensure centralising in the optical path for conoscopic examination. The polarising head unit houses a filter slot to accommodate the quartz wedge, wavelength and quarter wavelength retardation plates.
- Quintuple objective turret with x4, x20, x10, x40 and x60 planachromatic long working distance, strain free polarising objectives. Four of the settings have lateral adjustment to allow the objectives to be centred in the optical path. The fifth objective (x60 recommended) is centred using the lateral adjusters of the specimen stage.
- A ball bearing rotating circular stage, with graduated chapter ring. The stage has lateral position adjusters to centre it relative to the non adjustable objective. The other objectives are then fine adjusted to centre. This is a more sensitive and accurate system than having all objectives adjustable with a non moving stage.
- The incident illumination light source for the SP1500B has bulb position adjustment with a centring field iris.
- The SP1500XP series has low position coaxial coarse and fine focus controls with tension adjustment and variable focus stop. The fine focus controls are graduated to facilitate depth measurement.
- The microscope has an illumination system that is rheostat controlled 6 volt 20 watt with an easy bulb change trap door in the bottom of the microscope stand.

The SP1500XP polarising microscopes represent a breakthrough in the development of affordable professional polarising microscopes and has an extensive range of accessories including CCTV and digital camera adapters.

[www.educationalmicroscopes.co.uk](http://www.educationalmicroscopes.co.uk)

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